



Patent
Attorney's Docket No. 023890-031 (SD-8267)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

Johnson et al.)

Application No.: 09/610,239)

Filed: July 5, 2000)

For: IN VACUUM EXPOSURE SHUTTER)

Group Art Unit: 2851

Examiner: Nguyen, Hung

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants submit the following Amendment in response to the Office Action dated January 9, 2002.

IN THE CLAIMS:

Please amend Claims 1, 3, 5, 10, 14, 16, and 23, as follows:

1. (Amended) An exposure device comprising:
a source of radiation that generates an energy beam;
a shutter that includes (i) a frame defining an aperture toward which the energy beam is directed and (ii) a plurality of blades that are secured to the frame; and
means for rotating the frame of the shutter to cause the plurality of blades to intercept or allow the energy beam to travel through the aperture wherein the positions of the individual blades remain fixed relative to each other.

3. (Amended) The exposure device of claim 1 wherein the means for rotating the frame of the shutter comprise a solenoid that is encased in a vacuum compatible housing that entraps contaminants from the solenoid.